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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/960,172	09/21/2001	Chun-Hsiang Chiang	A1-082 US	4260

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MOLEX INCORPORATED
2222 WELLINGTON COURT
LISLE, IL 60532

EXAMINER

LEON, EDWIN A

ART UNIT PAPER NUMBER

2833

DATE MAILED: 05/02/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application N .

09/960,172

Applicant(s)

CHIANG, CHUN-HSIANG

Examiner

Edwin A. León

Art Unit

2833

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☒ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) ____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Fedder et al. (U.S. Patent No. 5,346,412). With regard to Claim 1, Fedder et al. discloses an electrical connector for use with an electrical cable (3) having a plurality of wires (7), the electrical connector comprising: a connector body (1), the connector body (1) comprising a cavity (between 25 and 24) within the connector body (1), a plurality of terminal passageways (where 12 is disposed), and a plurality of terminals (4) respectively received within the terminal passageways (where 12 is disposed), the terminals (4) each having a tail (10) extended out of one end of the connector body (1); and a wire management member (5,6,30), the wire management member (5,6,30) including a body portion (5) adapted to support the tail (10) of each of the terminals (4), the wire management member (5,6,30) comprising a projection rod (30) projecting from an end face of the body portion (5), the projection rod (30) being received within the connector body cavity (between 25 and 24). See Figs. 1-6.

With regard to Claim 2, Fedder et al. discloses the wire management member body portion (5) including a plurality of terminal grooves (6), the terminal grooves (6) being adapted to receive the tail (10) of each of the terminals (4). See Figs. 1-6.

With regard to Claim 3, Fedder et al. discloses the wire management member body portion (5) including a plurality of wire grooves (6), the wire grooves adapted to receive the wires (7) of the cable for enabling the wires (7) of the cable (3) to be respectively electrically soldered to the tail (10) of each of the terminals (4). See Figs. 1-6.

With regard to Claim 4, Fedder et al. discloses the cavity (between 24 and 25) is contiguous with one of the plurality of terminal passageways (where 12 is disposed). See Figs. 1-6.

With regard to Claim 5, Fedder et al. discloses the wire management member (5,6,30) comprising a plurality of ribs (25) respectively disposed between two adjacent terminal grooves (6) above the elevation of the tail (10) of the terminals (4). See Figs. 1-6.

With regard to Claim 6, Fedder et al. discloses the wire management member body portion (5) comprising a plurality of platforms, at least one of the platforms comprising a plurality of terminal grooves (6) adapted to receive the tail (10) of each of the terminals (4). See Figs. 1-6.

With regard to Claim 7, Fedder et al. discloses at least one of the platforms comprising a plurality of wire grooves (6) adapted to receive the wires (7) of the cable (3). See Figs. 1-6.

With regard to Claim 8, Fedder et al. discloses at least one of the platforms including a plurality of ribs (25) respectively disposed between two adjacent terminal grooves (6) above the elevation of the tail (10) of the terminals (4). See Figs. 1-6.

With regard to Claim 9, Fedder et al. discloses a cable assembly, the assembly comprising: a connector body (1), the connector body (1) comprising a cavity (between 24 and 25), a plurality of terminal slots (where 12 is disposed), and a plurality of terminals (4) respectively mounted in the terminal slots (where 12 is disposed), the terminals (4) each having a tail (10) extended out of a rear side of the connector body (1); a cable (3), the cable (3) comprising a plurality of wires (7) respectively electrically soldered to the tail (10) of each of the terminals (4); and a wire management member (5,6,30), the wire management member (5,6,30) adapted to support the tail (10) of each of the terminals (4), the wire management member (5,6,30) comprising a projection rod (30) projecting from an end face of the wire management member (5,6,30), the projection rod (30) being received within the connector body cavity (between 24 and 25). See Figs. 1-6.

With regard to Claim 10, Fedder et al. discloses the wire management member (5,6,30) including a plurality of terminal grooves (6), the terminal grooves (6) being adapted to receive the tail (10) of each of the terminals (4), and wherein a plurality of ribs (25) are respectively disposed between two adjacent terminal grooves (6) above the elevation of the tail (10) of the terminals (4). See Figs. 1-6.

With regard to Claim 11, Fedder et al. discloses the wire management member (5,6,30) including a plurality of wire grooves (6), the wire grooves (6) adapted to receive

Art Unit: 2833

the wires (7) of the cable (3) for enabling the wires (7) of the cable (3) to be respectively electrically soldered to the tail (10) of each of the terminals (4). See Figs. 1-6.

With regard to Claim 12, Fedder et al. discloses the wire management member (5,6,30) body portion (5) comprising a plurality of platforms, each of the platforms comprising a plurality of terminal grooves (6) adapted to receive the tail (10) of each of the terminals (4). See Figs. 1-6.

With regard to Claim 13, Fedder et al. discloses at least one of the platforms comprising a plurality of wire grooves (6) adapted to receive the wires (7) of the cable (3). See Figs. 1-6.

With regard to Claim 14, Fedder et al. discloses at least one of the platforms including a plurality of ribs (25) respectively disposed between two adjacent terminal grooves (6) above the elevation of the tail (10) of the terminals (4). See Figs. 1-6.

With regard to Claim 15, Fedder et al. discloses a wire management member (5,6,30) for use with an electrical connector having a connector body (1), the connector body (1) comprising a cavity (between 24 and 25), a plurality of terminal slots (where 12 is disposed), and a plurality of terminals (4) respectively mounted in the terminal slots (where 12 is disposed), the terminals (4) each having a tail (10) extended out of a rear side of the connector body (1), the wire management member (5,6,30) comprising: a body portion (5), the body portion (5) including a plurality of terminal grooves (6), the terminal grooves (6) being adapted to receive the tail (10) of each of the terminals (4); and a projection rod (30), the projection rod (30) projecting from an end of the body

portion (5), the projection rod (30) being adapted to be received within the connector body cavity (between 24 and 25). See Figs. 1-6.

With regard to Claim 16, Fedder et al. discloses the wire management member (5,6,30) body portion (5) including a plurality of terminal grooves (6), the terminal grooves (6) being adapted to receive the tail (10) of each of the terminals (4). See Figs. 1-6.

With regard to Claim 17, Fedder et al. discloses the wire management member (5,6,30) body portion (5) includes a plurality of wire grooves (6), the wire grooves (6) adapted to receive the wires (7) of the cable (3) for enabling the wires (7) of the cable (3) to be respectively electrically soldered to the tail (10) of each of the terminals (4). See Figs. 1-6.

With regard to Claim 18, Fedder et al. discloses the wire management member (5,6,30) comprising a plurality of ribs (25) respectively disposed between two adjacent terminal grooves (6) above the elevation of the tail (10) of the terminals (4). See Figs. 1-6.

With regard to Claim 19, Fedder et al. discloses the wire management member (5,6,30) body portion (5) comprising a plurality of platforms, at least one of the platforms comprising a plurality of terminal grooves (6) adapted to receive the tail (10) of each of the terminals (4). See Figs. 1-6.

With regard to Claim 20, Fedder et al. discloses at least one of the platforms comprising a plurality of wire grooves (6) adapted to receive the wires (7) of the cable. See Figs. 1-6.

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Tanaka et al. (U.S. Patent No. 6,247,977), Shinchu (U.S. Patent No. 5,957,735), Shinchu (U.S. Patent No. 6,059,617), Shinchu (U.S. Patent No. 6,142,838), Lockard (U.S. Patent No. 4,682,840), Shinchu (U.S. Patent No. 6,012,955), Daugherty et al. (U.S. Patent No. 6,232,556), Hwang et al. (U.S. Patent No. 6,217,396), Johnston (U.S. Patent No. 6,135,829), Jyh-Haur (U.S. Patent No. 6,155,879), Noschese (U.S. Patent No. 5,254,019), van Woensel (U.S. Patent No. 6,231,392), Nagai (U.S. Patent No. 6,340,316), Kazuhara (U.S. Patent No. 6,332,812), Yang (U.S. Patent No. 6,039,611), Okabe et al. (U.S. Patent No. 6,083,056), and Ito et al. (U.S. Patent No. 5,957,732)

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edwin A. León whose telephone number is (703) 308-6253. The examiner can normally be reached on Monday - Friday 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula A. Bradley can be reached on (703) 308-2319. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-7722 for regular communications and (703) 308-7722 for After Final communications.

Art Unit: 2833

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

EAL
April 25, 2002

P. Bradley
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